

## ABSTRACT

A wireless transmission-reception system has improvement of the noise suppression effect in the de-emphasis operation. A transmitter compresses, and then pre-emphasizes signal(s) to be transmitted. A receiver comprises an expander circuit for expanding the received signal(s), the expander circuit having a variable gain amplifier, a first de-emphasis circuit connected to demodulation means in parallel with the expander for de-emphasizing the received signal(s) without expansion, and a second de-emphasis circuit connected to the expander circuit for de-emphasizing the signals received and expanded by the expander circuit. The output from the first de-emphasis circuit performs control of the gain of the variable gain amplifier. After expansion of the received, emphasized signal(s) by the expander circuit, the de-emphasis circuit performs de-emphasis of the expanded, received signal(s).